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JL-B
TOPPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/381,903

DATE: 08/27/2001
TIME: 12:27:48

Input Set : A:\Merck203.app
Output Set: N:\CRF3\08272001\I381903.raw

3 <110> APPLICANT: KAHLERT, HELGA
4 STUWE, HANS-THOMAS
5 FIEBIG, HELMUT
6 CROMWELL, OLIVER
7 BECKER, WOLF-MEINHARD
8 BUFE, ALBRECHT
9 SCHRAMM, GABRIELE
10 JAGER, LOTHAR
11 MULLER, WOLF-DIETER
13 <120> TITLE OF INVENTION: GRAMINAE POLLEN ALLERGEN MUTANTS FOR SPECIFIC
IMMUNOTHERAPY, AND PRODUCTION AND USE OF THE SAME
14
16 <130> FILE REFERENCE: MERCK-2034
18 <140> CURRENT APPLICATION NUMBER: 09/381,903
19 <141> CURRENT FILING DATE: 2000-04-17
21 <150> PRIOR APPLICATION NUMBER: PCT/EP98/01507
22 <151> PRIOR FILING DATE: 1998-03-16
24 <150> PRIOR APPLICATION NUMBER: DE 197 13 001.4
25 <151> PRIOR FILING DATE: 1997-03-27
27 <160> NUMBER OF SEQ ID NOS: 99
29 <170> SOFTWARE: PatentIn Ver. 2.1
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 12
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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42 1 5 10
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59 <210> SEQ ID NO: 3
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61 <212> TYPE: PRT
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64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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68 <400> SEQUENCE: 3
69 Pro Ala Thr Pro Ala Ala Ala Gly Ala Ala Ala Gly
70 1 5 10
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79 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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83 Pro Ala Ala Ala Gly Ala Ala Ala Gly Lys Ala Thr
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87 <210> SEQ ID NO: 5
88 <211> LENGTH: 12
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
94 peptide ✓
96 <400> SEQUENCE: 5
97 Ala Gly Ala Ala Ala Gly Lys Ala Thr Thr Glu Glu
98 1 5 10
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 12
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
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111 Ala Ala Gly Lys Ala Thr Thr Glu Glu Gln Lys Leu
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115 <210> SEQ ID NO: 7
116 <211> LENGTH: 12
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
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122 peptide ✓
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125 Lys Ala Thr Thr Glu Glu Gln Lys Leu Ile Glu Asp
126 1 5 10
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 12
131 <212> TYPE: PRT
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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138 <400> SEQUENCE: 8
139 Thr Glu Glu Gln Lys Leu Ile Glu Asp Ile Asn Val
140 1 5 10
143 <210> SEQ ID NO: 9
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145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
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152 <400> SEQUENCE: 9
153 Gln Lys Leu Ile Glu Asp Ile Asn Val Gly Phe Lys
154 1 5 10
157 <210> SEQ ID NO: 10
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166 <400> SEQUENCE: 10
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182 1 5 10
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 12
187 <212> TYPE: PRT
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201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:

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219 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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232 <220> FEATURE:
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270 <211> LENGTH: 12
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence

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275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
290 peptide ~
292 <400> SEQUENCE: 19
293 Glu Ala Ala Phe Thr Ser Ser Ser Lys Ala Ala Ala
294 1 5 10
297 <210> SEQ ID NO: 20
298 <211> LENGTH: 12
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304 peptide ~
306 <400> SEQUENCE: 20
307 Phe Thr Ser Ser Ser Lys Ala Ala Ala Ala Lys Ala
308 1 5 10
311 <210> SEQ ID NO: 21
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313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
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318 peptide ~
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321 Ser Ser Lys Ala Ala Ala Ala Lys Ala Pro Gly Leu
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327 <212> TYPE: PRT
328 <213> ORGANISM: Artificial Sequence
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334 <400> SEQUENCE: 22
335 Ala Ala Ala Ala Lys Ala Pro Gly Leu Val Pro Lys
336 1 5 10
339 <210> SEQ ID NO: 23
340 <211> LENGTH: 12
341 <212> TYPE: PRT

VERIFICATION SUMMARY
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